

FRESHMAN	COURSES	CREDITS	TOTAL
FALL	AIC1140, APEX 1 (or AIC1100 Introduction to ACE (3 cr))	1	14
	ENG1201, English Composition	3	
	BIO1400, Biology I with lab, BIO1401	4	
	Gen Ed course (Civic/Soc Resp or Human Cult/Exp)***	3	
	Gen Ed course (Civic/Soc Resp or Human Cult/Exp)***	3	
SPRING	ENG1202, Analytical Writing	3	14
	BIO1500, Biology II with lab, BIO1501	4	
	MAT1840, College Algebra and Trig	4	
	Gen Ed course (Civic/Soc Resp or Human Cult/Exp)***	3	
<b>SOPHOMORE</b>			
FALL	BIO1300/1301, Prin of Microbiology with lab, or BIO2430/2431 Microbiology, with lab	4	16
	CHE1600, General Chemistry I (includes CHE 1602, Review)	4	
	CHE1601, General Chemistry Lab I	1	
	MAT2400, Calculus I	4	
	Gen Ed course (Civic/Soc Resp or Human Cult/Exp)***	3	
SPRING	AIC2140, APEX 2	1	16
	BIO2400/2401, Comparative Vertebrate Anatomy with lab, or BIO2410/2411, Histology with lab, or BIO3440/3448, Ecology with lab	4	
	CHE1700, General Chemistry II (includes CHE1702, Review)	4	
	CHE1701, General Chemistry Lab II	1	
	MAT2004 Biostatistics (Gen Ed – Quant Lit)	3	
	Gen Ed course (Civic/Soc Resp or Human Cult/Exp)***	3	
<b>JUNIOR</b>			
FALL	BIO, CHE, MAT Elective****	4	14
	CHE2400, Organic Chemistry I	3	
	CHE2401, Organic Chemistry Lab I	1	
	Gen Ed course (Civic/Soc Resp or Human Cult/Exp)***	3	
	Gen Ed course (Civic/Soc Resp or Human Cult/Exp)***	3	
SPRING	AIC3140, APEX 3	1	15
	BIO, CHE, MAT Elective****	4	
	CHE2500, Organic Chemistry II	3	
	CHE2501, Organic Chemistry Lab II	1	
	Elective	3	
	Elective	3	
<b>SENIOR</b>			
FALL	AIC4140, APEX 4	1	16/15
	BIO4803, Senior Seminar in Biology or CHE4840, Senior Seminar in Chemistry (2 cr)	3/2	
	BIO, CHE, MAT Elective****	4	
	PHY1600, General Physics I (with PHY1602, Review)	4	
	PHY1601 General Physics I lab	1	
	Elective	3	
SPRING	BIO, CHE, MAT Elective****	4	16
	PHY1800, General Physics II (with PHY1802, Review)	4	
	PHY1801, General Physics II lab	1	
	Elective	3	
	Elective	4	
		<b>TOTAL CREDITS:</b>	<b>121/120</b>

Notes:

\*A student will incur additional tuition charges in any semester in excess of 17 credits.

\*\*A student must apply to the Dean for permission to take more than 18 credits in any given semester.

\*\*\* General Education courses must be selected to satisfy the General Education requirements in Civic and Social Responsibility, Human Culture and Expression, and Scientific and Quantitative Literacy.

\*\*\*\* Approved BIO, CHE, MAT electives include BIO1200, BIO1210, BIO2XXX, BIO3XXX, CHE2XXX, CHE3XXX, MAT2XXX, or MAT3XXX

List of Requirements (all courses are 3 credits unless otherwise noted)

**Major Requirements:**

- \_\_\_\_\_ BIO1400     Biology I, with lab, BIO1401 (4 cr)
- \_\_\_\_\_ BIO1500     Biology II, with lab, BIO1501 (4 cr)
- \_\_\_\_\_ CHE1600     General Chemistry I, with review, CHE1602, and lab CHE1601 (5 cr)
- \_\_\_\_\_ CHE1700     General Chemistry II, with review, CHE1702, and lab CHE1701 (5 cr)
- \_\_\_\_\_ CHE2400     Organic Chemistry I and lab CHE2401 (4 cr)
- \_\_\_\_\_ CHE2500     Organic Chemistry II and lab CHE2501 (4 cr)
- \_\_\_\_\_ MAT2004     Biostatistics
- \_\_\_\_\_ PHY1600     General Physics I, with review, PHY1602, and lab PHY1601 (5 cr)
- \_\_\_\_\_ PHY1800     General Physics II, with review, PHY1802, and lab PHY1801 (5 cr)

\_\_\_\_\_ CREDITS

**Choose one from the following courses:**

- \_\_\_\_\_ BIO1300     Principles of Microbiology, with lab, BIO1301 (4 cr)
- \_\_\_\_\_ BIO2430     Microbiology, with lab, BIO2431 (4 cr)

\_\_\_\_\_ CREDITS

**And one from the following courses:**

- \_\_\_\_\_ BIO2400     Comparative Vertebrate Anatomy, with lab, BIO2401 (4 cr)
- \_\_\_\_\_ BIO2410     Animal Histology, with lab, BIO2411 (4 cr)
- \_\_\_\_\_ BIO3440     Ecology, with lab, BIO3441 (4 cr)

\_\_\_\_\_ CREDITS

**Plus one from the following courses:**

- \_\_\_\_\_ BIO4803     Senior Seminar in Biology
- \_\_\_\_\_ CHE4840     Senior Seminar (2 cr)

\_\_\_\_\_ CREDITS

**Additionally, all interdisciplinary science majors must complete two of the following:**

- \_\_\_\_\_ MAT1840     College Algebra and Trigonometry (4 cr)
- \_\_\_\_\_ MAT2400     Calculus I (4cr)
- \_\_\_\_\_ MAT2500     Calculus II, w lab MAT2501

\_\_\_\_\_ CREDITS

**Plus a minimum of 15 credit hours in courses from the following:**

**BIO1200, BIO1210, any 2000 or higher level in biology, chemistry, or mathematics, with the exception of courses specified by each department**

- \_\_\_\_\_ ( ) \_\_\_\_\_
- \_\_\_\_\_ ( ) \_\_\_\_\_
- \_\_\_\_\_ ( ) \_\_\_\_\_
- \_\_\_\_\_ ( ) \_\_\_\_\_
- \_\_\_\_\_ ( ) \_\_\_\_\_

\_\_\_\_\_ CREDITS

Plus, the following General Education courses (each line represents one course from the list):

● **Personal and Professional Development (4 courses, 4 credits or 6 credits (ACE students) total)**

- \_\_\_\_\_ APEX 1: AIC1140 (1 cr) or AIC1100 Introduction to ACE (3 cr)
- \_\_\_\_\_ APEX 2: AIC2140 (1 cr)
- \_\_\_\_\_ APEX 3: AIC3140 (1 cr)
- \_\_\_\_\_ APEX 4: AIC4140 (1 cr)

● **Civic and Social Responsibility: (4 courses, 12 credits total, with at least 1 course in each area)**

- \_\_\_\_\_ **Individual and Interpersonal Behavior:** PSY1401, PSY1501, SOC1010, SOC1100, SOC1400
- \_\_\_\_\_ **American Heritage/Society:** AMS1100, ECO1000, ECO1401, ECO1402, HST1510, HST1520, HST1600, POL1000, POL1400
- \_\_\_\_\_ **Global Perspective:** ECO1010, HST1400, HST1410, HST1420, HST1430, HST1500, HST2440, IBS1420, POL1500
- \_\_\_\_\_ Any additional course from the 3 subcategories listed above

● **Human Culture and Expression: (5 courses, 15 credits total, with 2 courses in Composition and Communication And...**

- \_\_\_\_\_ **Composition and Communication:** ENG1201 OR ENG1601
- \_\_\_\_\_ **Composition and Communication:** ENG1202 OR ENG1602

... And 2 courses in 2 different areas, And...

- \_\_\_\_\_ **Language and Literature:** Any ENG2XXX-level or higher literature course OR any elementary or intermediate foreign language
- \_\_\_\_\_ **Visual and Fine Arts:** ART1000, ART1010, ART1030, ART1100, ART1120, COM2460, COM3290, MUSXXXX, THR1400, VDA2640
- \_\_\_\_\_ **Philosophy and Ethics:** PHI1000, PHI1200, PHI1400, PHI2010, PHI2030

...And 1 additional course from any of the 3 areas above

\_\_\_\_\_ Additional course from 3 subcategories listed above

● **Scientific Perspectives and Inquiry: (2 courses with labs, 8 credits total including 2 credits in Lab)**

- \_\_\_\_\_ BIO1020/1021, BIO1100/1101, BIO1110/1111, BIO1130/1131,\* BIO1200/1201;\* BIO1210/1211; \*BIO1300/1301, \*BIO1400/1401, \*BIO1500/1501; CHE1100/1101, CHE1110/1111, CHE1200/1201, CHE1600/1601, CHE1700/1701; PHY1010/1011, PHY1020/1021, PHY1030/1031, PHY1050/1051, PHY1600/1601, PHY1800/1801
- \_\_\_\_\_ BIO1020/1021, BIO1100/1101, BIO1110/1111, BIO1130/1131,\* BIO1200/1201;\* BIO1210/1211; \*BIO1300/1301, \*BIO1400/1401, \*BIO1500/1501; CHE1100/1101, CHE1110/1111, CHE1200/1201, CHE1600/1601, CHE1700/1701; PHY1010/1011, PHY1020/1021, PHY1030/1031, PHY1050/1051, PHY1600/1601, PHY1800/1801

*\*Restricted to students for which course is a major requirement*

● **Quantitative Literacy: (1 course, 3 credits total)**

- \_\_\_\_\_ MAT1310, 1430, 2004, 2030; PSY2302/CRJ2302

When counting credits, do not include those for courses included in the major requirements.

\_\_\_\_\_ CREDITS

Plus, enough elective courses to reach a minimum of 120 total credits.

- \_\_\_\_\_ Course: \_\_\_\_\_
- \_\_\_\_\_ Course: \_\_\_\_\_
- \_\_\_\_\_ Course: \_\_\_\_\_
- \_\_\_\_\_ Course: \_\_\_\_\_
- \_\_\_\_\_ Course: \_\_\_\_\_
- \_\_\_\_\_ Course: \_\_\_\_\_

\_\_\_\_\_ TOTAL CREDITS  
(120 min req for graduation)